

Message Text

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ORIGIN SS-15

INFO OCT-01 EUR-12 EA-12 ISO-00 OES-07 DOE-15 SOE-02
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TAGS: ENRG, TECH, MNUC, KS, RO

SUBJECT:

ON FRIDAY, JUNE 2, THE INFCE WG-8 REPORT WAS CABLED
DIRECTLY TO THE WG-8 CO-CHAIRMEN.

DR. YOUNG KU YOON, PRESIDENT
KOREAN ATOMIC ENERGY RESEARCH INSTITUTE
P.O. BOX 7, CHEON RYANG-RI
SEOUL 131 KOREA
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DR. STEFAN ALEXANDRU OLARIU
COMITETUL DE STAT
PENTRU ENERGIA NUCLEARA (STATE COMMITTEE FOR NUCLEAR ENERGY)
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BELOW IS A COPY OF THE REPORT FOR YOUR INFORMATION. PLEASE
CONTACT THE CO-CHAIRMEN TO MAKE SURE THEY GOT IT. NOTE:

THE FIRST SIX WORDS IN PARAGRAPH NINE WERE DELETED BY A MACHINE MALFUNCTION, SO PLEASE TELL THEM TO ADD "9. WG-8 INTENDS TO CONSIDER THE COMPARABLE."

1. AS I PROMISED IN MY TELEX OF MAY 17, 1978, FOLLOWING IS A DRAFT FOR YOUR CONSIDERATION OF WG-8 REPORT TO THE TCC. I SUGGEST WE MEET AND DISCUSS THIS IN VIENNA ON THE MORNING OF THE TCC MEETING. DRAFT REPORT IS AS FOLLOWS:

2. WORKING GROUP 8 MET IN VIENNA ON JANUARY 30 AND 31, 1978. THE WORKING GROUP IS DIVIDED INTO THREE SUB-GROUPS AS FOLLOWS: SUB-GROUP A ONCE-THROUGH FUEL CYCLE; SUB-GROUP B ADVANCED REACTORS AND FUEL CYCLES; SUB-GROUP C RESEARCH REACTORS.

3. PARTICIPANTS WILL SUBMIT TOPICAL PAPERS ON REACTORS AND FUEL CYCLES TO THE APPROPRIATE SUB-GROUP AND OVER 60 PAPERS ARE TO BE CONTRIBUTED. (A TABULATION OF THE TITLES OF THE PAPERS AS IN INFCE/WG-8/6 WILL BE ATTACHED TO THE WRITTEN REPORT.) THESE PAPERS ARE TO BE DISTRIBUTED TO THE TECHNICAL CONTACT OF EACH PARTICIPANT IN THE TIME PERIOD FROM MAY TO JULY 15 FOR REVIEW AND CRITIQUE. WRITTEN COMMENTS ARE TO BE SUPPLIED TO THE AUTHORS.

4. THE WORKING GROUP WILL MEET SEPTEMBER 12 TO 14 IN UNCLASSIFIED

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VIENNA TO DISCUSS THE CONTRIBUTED PAPERS. ANY ADDITIONAL APPERS THAT MIGHT BE NEEDED WILL BE IDENTIFIED AND ASSIGNED FOR PREPARATION. ALL THE CONTRIBUTED PAPERS WILL PROVIDE THE BASIS FOR EACH SUB-GROUP REPORT. SUB-GROUPS A AND B WILL PREPARE SUMMARY REPORTS WHICH CONTAIN THE FOLLOWING:

(1) A REVIEW OF THE TECHNICAL APPROACHES WHICH DESCRIBES THE REACTORS AND FUEL CYCLES IN TERMS OF RESOURCE UTILIZATION, ECONOMICS, TECHNICAL STATUS, TIMING, AND NONPROLIFERATION ATTRIBUTES. IMPROVEMENTS IN EXISTING SYSTEMS WILL BE DISCUSSED. STRATEGIES FOR IMPLEMENTING SYSTEMS OR COMBINATIONS OF SYSTEMS WILL BE IDENTIFIED.

(2) GENERAL FEATURES OF TECHNICAL AND ECONOMIC DATA WILL BE REVIEWED IN LIGHT OF THESE ASSESSMENT FACTORS AND THE RANGE OF SITUATIONS IN VARIOUS COUNTRIES. GENERAL RESULTS OF THIS REVIEW AS RELEVANT TO MATERIAL DECISIONS WOULD BE SUMMARIZED.

5. THE SUMMARY REPORT OF SUB-GROUP C, RESEARCH REACTORS, WILL BE SOMEWHAT DIFFERENT IN THAT IT WILL DISCUSS THE

TECHNICAL AND PROGRAM ROLE OF RESEARCH REACTORS AND OF THE NONPROLIFERATION CONSIDERATIONS RELATED TO USE OF THESE REACTORS AND ASSOCIATED FUELS. TECHNICAL CONSIDERATIONS WILL INCLUDE: TYPES OF REACTORS AND FUELS AND THEIR OPERATIONAL CHARACTERISTICS, PROGRAM NEEDED TO PRODUCE NEW FUELS AND THEIR EFFECT ON REACTOR PERFORMANCE, IMPROVED SAFEGUARDS AND FABRICATION, STORAGE, TRANSPORTATION AND REPROCESSING.

6. FIRST DRAFTS OF THESE SUMMARY REPORTS ARE DUE IN FEBRUARY 1979. FINAL SUMMARY REPORTS ARE SCHEDULED FOR SEPTEMBER 1979.

7. THE UNITED STATES TABLED TWO DRAFT PAPERS, TECHNICAL UNCLASSIFIED

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AND ECONOMIC GUIDELINES AND PROLIFERATION RESISTANCE CONSIDERATIONS. PARTICIPANTS WERE REQUESTED TO COMMENT ON THESE PAPERS BY MARCH 31. FEW COMMENTS HAVE BEEN RECEIVED. THIS UNDERLINES THE NEED FOR TCC TO ADDRESS THIS MATERIAL AS PLANNED IN THE PROVISIONAL AGENDA.

8. WITH REGARD TO ASSESSMENT OF PROLIFERATION RESISTANCE AND SAFEGUARDS MATTERS, WE WOULD NOTE THAT THREEE OF THE INFCE WORKING GROUPS HAVE SPECIFIED AREAS WHICH COVER ENTIRE FUEL CYCLE SYSTEMS:

WG-4B, PU RECYCLE IN PRESENT REACTORS
WG-5, BREEDER CYCLES
WG-8, ONCE-THROUGH AND ADVANCED CYCLES.

9. WG-8 INTENDS TO CONSIDER THE COMPARABLE PROLIFERATION RESISTANCE AND SAFEGUARDS ASPECTS OF THE ADVANCED CYCLES AND ONCE-THROUGH SYSTEMS. THIS LEAVES A QUESTION OF COMPARATIVE ASSESSMENT OF THESE CYCLES TO BREEDER AND THERMAL RECYCLE. WG-4 AND PERHAPS WG-5 MIGHT LOGICALLY ADDRESS THESE COMPARATIVE ASSESSMENTS.

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